herein described without departing from the scope and teaching of the invention. It will be readily appreciated by those of skill in this particular art that the structures representatively described above may also be advantageously incorporated in other types of electronic devices such as calculators, other types of computers, PDAs (Personal Data Assistants), and PIMs (Personal Information Managers). Accordingly, the described embodiment is to be considered merely exemplary and the invention is not to be limited except as specified in the attached claims.

We claim:

1. A notebook computer comprising:

a main body oriented substantially vertically for improved heat dissipation;

a keyboard; and

a display pivotably attached to an upper portion of said main body and supported in a substantially vertical orientation by said main body for improved ergonomic positioning.

2. The notebook computer of claim **1** wherein said main body serves as an easel for supporting reference materials.

3. The notebook computer of claim **1** wherein said substantially vertical orientation enhances radiant heat dissipation.

4. The notebook computer of claim **1** wherein said substantially vertical orientation enhances convective heat dissipation.

5. The notebook computer of claim **1** wherein said notebook computer is also operable in a conventional clamshell configuration.

6. The notebook computer of claim **1** wherein said notebook computer is opened by a user applying force with both hands in one smooth motion.

7. The notebook computer of claim **1** wherein said notebook computer spans significantly less depth when fully deployed than when in a conventional clamshell configuration.

8. The notebook computer of claim **1** wherein said keyboard rests upon said main body and, when said notebook computer is fully deployed, said keyboard rests on a horizontal support surface for improved ergonomic positioning.

9. The notebook computer of claim **1** wherein said keyboard rotates downward on pivot pins on upper corners of said keyboard for improved ergonomic positioning.

10. The notebook computer of claim **1** wherein pivot pins mechanically and electrically connect said keyboard to said main body.

11. The notebook computer of claim **1** further comprising a base frame having left and right vertical sides and a bottom member connecting said left and right vertical sides.

12. The notebook computer of claim **8** wherein said keyboard provides mechanical support to maintain said main body and said display in said substantially vertical orientation.

13. The notebook computer of claim **8** further comprising forearm struts connected to said keyboard with wrist pivot pins at one end and connected to upper arm struts with elbow pivot pins at the opposite end and connected to guide channels in said main body with sliding pins, with said upper arm struts connected to said main body with shoulder pivot pins, wherein said forearm struts and said upper arm struts rest alongside said main body when said notebook computer is closed.

14. The notebook computer of claim **8** further comprising lower struts pivotably connected to a lower portion of said main body and pivotably connected to upper struts, and ribbons passing through slots in said main body and connecting to said keyboard and said upper struts, wherein said upper struts and said lower struts fold substantially flush with said main body when said keyboard rests upon said main body, and wherein, when a user deploys said keyboard, said ribbons unfold said upper struts and said lower struts to support said main body in said substantially vertical orientation.

15. The notebook computer of claim **8** further comprising a battery pivotably attached to a rear portion of said main body and serving as a support member, when deployed, to maintain said main body in said substantially vertical orientation.

16. The notebook computer of claim **8** further comprising a second display disposed on said main body and facing a user, and support struts connected to a lower portion of said main body with hinge pins and detent mechanisms, and a horizontal support bar connected to said support struts to maintain said main body in said substantially vertical orientation.

17. The notebook computer of claim **11** wherein said keyboard is retained within said base frame by pivot pins extending through said left and right vertical sides into upper corners of said keyboard.

18. The notebook computer of claim **11** wherein pivot pins mechanically and electrically connect said keyboard to said base frame.

19. The notebook computer of claim **11** wherein said main body further comprises guide channels, each including a transverse portion, wherein said base frame further comprises sliding pins engaging said guide channels, enabling said main body to slide within said base frame and to rotate upward and lock into said substantially vertical orientation using said transverse portions.

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